

**BURBANK WATER AND POWER
2016/17 RECYCLED WATER SAMPLING RESULTS**

			2016					2017	6 Month Avg.	2016 Potable
			Aug	Sep	Oct	Nov	Dec	Jan		
Turbidity	avg.	NTU	0.48	0.32	0.33	0.32	0.37	0.67	0.41	0.064
pH	min.	S.U.	6.6	6.8	7.1	6.9	7.1	7.4	7.0	8.2
pH	max.	S.U.	7.6	7.8	7.6	7.8	7.7	7.6	7.7	8.3
TSS	avg.	mg/l	1	2	1.1	0.1	0.6	0.8	<1	
BOD	avg.	mg/l	<3	<3	3	<3	<3	<3	<3	
TDS	max.	mg/l	690	660	670	750	670	710	692	495
Chloride	max.	mg/l	130	110	140	140	120	130	128	61
Sulfate	max.	mg/l	140	110	140	160	130	130	135	93
Fluoride	max.	mg/l	0.67	0.58	0.70	0.69	0.63	0.67	0.66	0.54
Hardness	max.	mg/l	257	266	264	261	273	271	265	275
Boron	max.	mg/l	0.52	0.92	0.34	0.36	0.37	0.37	0.48	0.12
Nitrate-N	max.	mg/l	7.5	5.2	7.7	7.1	4.8	6.7	6.5	6.4
Nitrite-N	max.	mg/l	0.4	0.2	0.5	0.1	0.5	0.2	<0.1	<0.2
Nitrate+Nitrite	max.	mg/l	7.9	5.4	8.2	7.2	5.3	6.9	6.8	6.4
Ammonia-N	max.	mg/l	1.0	0.9	1.1	1.0	1.2	0.9	1.0	
Phosphorus-P	max.	mg/l	0.7	3.0	0.3	5.3	4.2	5.5	3.2	
Phosphate (PO4)	max.	mg/l	2	9	1	16	13	17	9.7	1.2
Alkalinity(CaCO3)	max.	mg/l	210	210	210	210	220	230	215	185
Bicarbonate(HCO3)	max.	mg/l	250	260	250	260	260	280	260	225
Conductivity	max.	umho/cm	1100	1000	1100	1100	1100	1100	1083	765
Aluminum	max.	µg/l	ND	ND	ND	ND	ND	9	ND	32
Arsenic	max.	µg/l	1.2	1.7	1.6	1.8	1.7	1.1	1.5	<1
Cadmium	max.	µg/l	0.1	0.1	0.1	0.1	0.1	0.1	0.10	<0.50
Chromium	max.	µg/l	2.4						2.4	4
Cobalt	max.	µg/l	<0.2	<0.2	<0.2	<0.2	<0.2	0.38	<0.2	<2
Copper	max.	µg/l	9	9	8	12	9	7	9	<2
Iron	max.	µg/l	56	100	38	38	39	42	52	<20
Lead	max.	µg/l	0.9	3.3	0.6	0.5	0.4	0.3	1.0	<0.50
Manganese	max.	µg/l	3.2						3	<2
Mercury	max.	µg/l	<2						<0.2	<0.20
Nickel	max.	µg/l	<5	<5	<5	<5	<5	2.6	<5	<5
Selenium	max.	µg/l	2.2						2	<5
Zinc	max.	µg/l	67	43	69	69	52	58	60	<20
Beryllium	max.	µg/l	<1	<1	<1	<1	<1	<1	<1	<1
Calcium	max.	mg/l	69	71	71	69	65	63	68	74
Magnesium	max.	mg/l	22	22	22	23	22	22	22	22
Potassium	max.	mg/l	17	17	17	19	17	19	18	4.3
Sodium	max.	mg/l	110	100	110	110	96	98	104	54
Silica	max.	mg/l	24	24	24	24	22	22	23	
Chromium VI	max.	µg/l	0.19						0.19	4
Vanadium	max.	µg/l	4.2	ND	3	ND	3	1.5	<3	3.1
THMs	max.	µg/l	17	16	13	33	33	14	21	12
SAR	max.		4.2	3.8	4.1	4.1	3.7	3.8	4.0	2.0